

PROJECT NARRATIVE

Verizon Wireless: PHO Pima Hills – APS Downing Substation

City of Scottsdale Case #: 509-PA-2006

Location of Site:

APS Downing Substation

18362 N. Pima Road

Scottsdale, Arizona 85257

Applicant:

Verizon Wireless
ATTN: Jason Gigliotti
126 W. Gemini Drive
Tempe, AZ 85283
Phone: (480) 777-7336
Fax (480) 777-4390

Consultant:

Gordon M. Rasmussen
Martin Property Advisors, Inc.
7530 E. Turquoise Avenue
Scottsdale, AZ 85258
Phone: (480) 368-1899
Fax: (480) 368-9097
Email: grasmussen13@cox.net

Architect:

Allison Bell
KDC Architects - Engineers
3224 S. Fair Lane
Tempe, AZ 85282
Phone: (602) 438-7429
Fax: (602) 438-7403

94-DR-1997#2
9/14/2006

Verizon Wireless: PHO Pima Hills

Request for Approval for Wireless Communications Facility

Purpose of Request:

Verizon Wireless is seeking approval for the construction of a new wireless communications facility proposed to be located at the APS Downing Substation, 18362 N. Pima Road, Scottsdale. The proposed installation has been reviewed with APS and its consultants, and on a preliminary and conceptual basis the project has been given approval to proceed to initiate the entitlement process.

Description of the Proposed Wireless Communications Facility:

The property is improved with an APS electrical substation, and is surrounded on the northerly, westerly and southerly sides by undeveloped industrially zoned land owned by the State of Arizona. The easterly side of the substation is flanked by a 365 foot wide electrical utility ROW. There are four (4) prominent electrical transmission lines (estimated at 230 kv) within the ROW, each supported by lattice towers estimated to be 120 feet in height.

The proposed WCF will consist of the following elements:

1. A prefabricated equipment shelter measuring 12 feet (w) x 26 feet (l) x 11 feet (h) will be installed within the walls of APS Downing Substation. A man door will be installed in the existing substation masonry wall to provide access to the equipment shelter.
2. An existing APS drop pole (measuring approximately 57 feet above grade) will be replaced with a new monopole. As required by APS, a spacer measuring forty (40") inches in height will be installed on the top of the replacement monopole. Six (6) panel antennas (each measuring eight (8) feet in length by approximately eleven (11) inches in width) will be installed on top of the 40" spacer. The overall height of the new monopole (including the antennas) will be approximately sixty-eight (68) feet four (4) inches above grade. The existing drop pole and the proposed replacement monopole will be located within the walls of the substation. The new monopole and spacer will be "Core 10", and panel antennas will be painted to match the color of the replacement monopole.
3. Coaxial cable will extend from the equipment shelter via underground conduits to the antenna array. With the exception of the penetration at the base of the replacement monopole, all coaxial cables will be located inside of the replacement monopole.
4. A new transformer, and an electric meter and disconnect will be located on an H-Frame installed outside of the walls of the substation.
5. The proposed installation will have virtually no impact on the existing use of the property as an electric substation. The proposed WCF will be an unmanned facility, and with the exception of emergencies, will be visited by service technicians approximately one (1) time per month.

A detailed site plan describing the proposed wireless communications facility is included with this narrative.

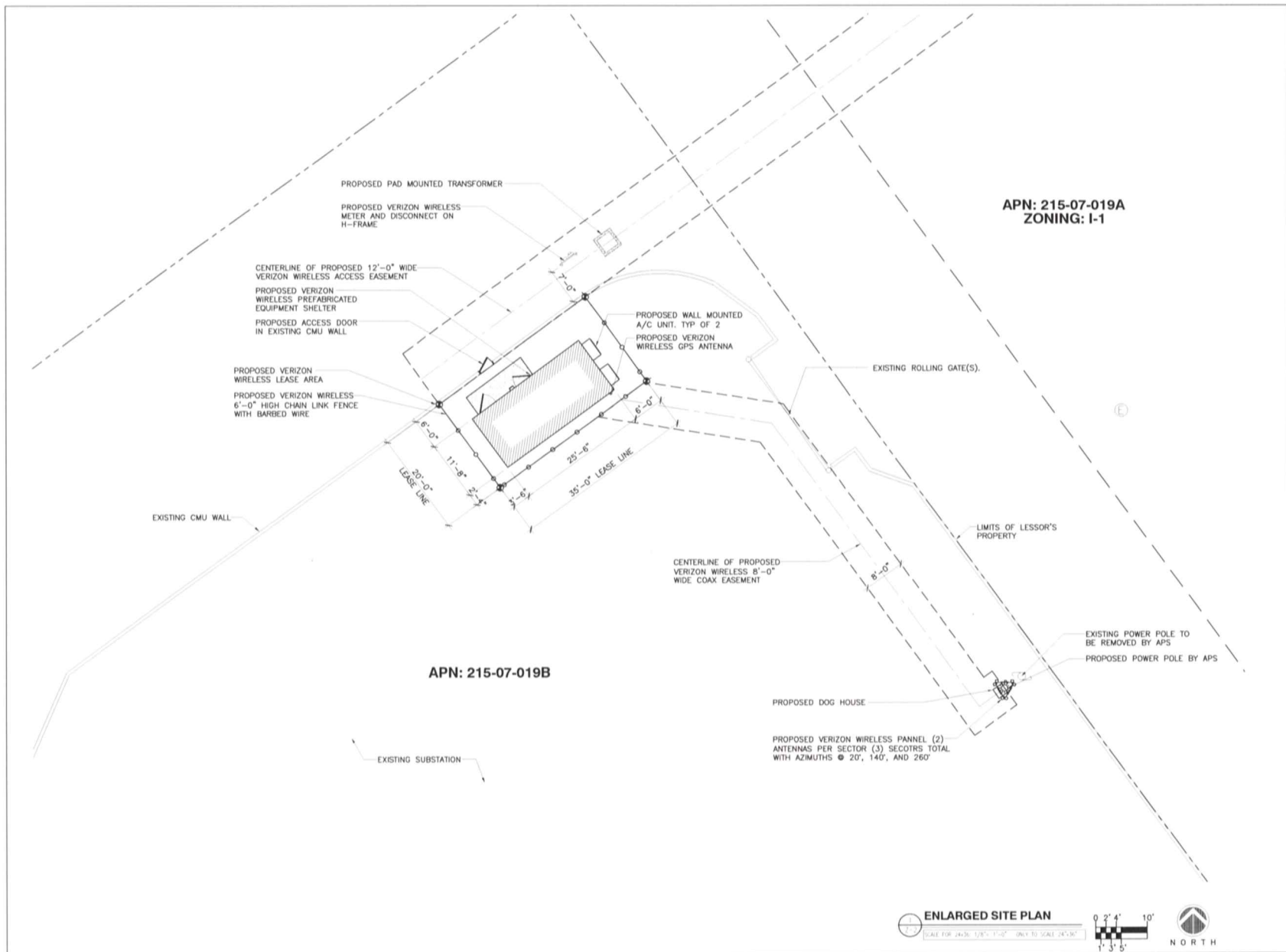
Justification for Approval:

The proposed wireless facility will meet the City of Scottsdale's facility design guidelines in the following manner:

- a. The proposed wireless facility will be aesthetically pleasing, and substantially all of the components will be located within the walls of the Downing Substation. There will be no increase in the overall height of the tallest portion of the existing structure.
- b. The proposed facility will have no adverse impact on adjacent properties. The facility is unmanned, and except for routine maintenance (average of once monthly), and emergencies, will produce no significant pedestrian or vehicular traffic. The proposed wireless communications facility will not contribute in a measurable way to the deterioration of the area or contribute to the lowering of property values.
- c. The use will be in compliance with all provisions of the City of Scottsdale's Zoning Ordinance and Amended Wireless Ordinance, and the laws of Maricopa County, the State of Arizona, and the United States of America.



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Construction Department
125 E. Camel Dr.
Tempe, AZ 85283



KDC Architects - Engineers, P.C.
3224 S. Fair Ln.
Tempe, Arizona 85282
602.435.7429 FAX 602.435-7403
Website: www.kdcarchitects.com

PROJECT NUMBER

181204-001

DRAWN BY: CHECKED BY:

RS BK

NO. DATE ISSUE

1 08-11-06 ISSUE 001

2 08-23-06 CLIENT REVISIONS

SITE INFORMATION

SITE NAME:

PHO PIMA HILLS

SITE ADDRESS:

18362 N. PIMA RD

SCOTTSDALE, AZ 85257

ENLARGED SITE PLAN

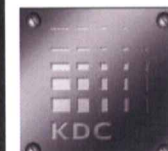
PLAN

SHEET NUMBER

Z-2



Construction Department
126 W. Samson Dr.
Tempe, AZ 85283



KDC Architects - Engineers, P.C.
3224 S. Fair Ln.
Tempe, Arizona 85282
602.435.7429 FAX 602.435.7403
Website: www.kdcarchitects.com

PROJECT NUMBER

18-1997

DRAWN BY: CHECKED BY:

NO DATE ISSUE

1 08-29-06 CLIENT REVIEW

2 08-29-06 CLIENT REVISION

3 08-29-06 CLIENT REVISION

4 08-29-06 CLIENT REVISION

5 08-29-06 CLIENT REVISION

6 08-29-06 CLIENT REVISION

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PROPOSED VERIZON WIRELESS PANNEL (2)
ANTENNAS PER SECTOR (3) SECTORS TOTAL
WITH AZIMUTHS @ 20°, 140°, AND 260°

EXISTING POWER POLE TO BE
REMOVED BY APS
PROPOSED POWER POLE BY APS

EXISTING OVERHEAD
POWER LINES

EXISTING CMU WALL, BEYOND
PROPOSED VERIZON WIRELESS
PREFABRICATED EQUIPMENT SHELTER

PROPOSED UNDERGROUND COAX
PROPOSED VERIZON WIRELESS
6'-0" HIGH CHAIN LINK FENCE
PROPOSED DOG HOUSE

EXISTING
FINISH
GRADE

EXISTING CMU WALL
PROPOSED VERIZON WIRELESS
PREFABRICATED EQUIPMENT SHELTER
PROPOSED VERIZON WIRELESS
6'-0" HIGH CHAIN LINK FENCE
EXISTING ROLLING GATES

EXISTING CMU
WALL BEYOND

PROPOSED VERIZON WIRELESS METER
AND DISCONNECT ON H-FRAME
PROPOSED PAD MOUNTED TRANSFORMER

PROPOSED POWER POLE BY APS

PROPOSED DOG HOUSE

68'-4" TO TOP OF PROPOSED VERIZON WIRELESS ANTENNAS
63'-7" TO CENTERLINE OF PROPOSED VERIZON WIRELESS ANTENNAS

WEST ELEVATION

SCALE FOR 24x36: 1/8" = 1'-0" ONLY TO SCALE 24x36"



NORTH ELEVATION

SCALE FOR 24x36: 1/8" = 1'-0" ONLY TO SCALE 24x36"



SITE INFORMATION

SITE NAME:

PHO PIMA HILLS

SITE ADDRESS:

18362 N. PIMA RD
SCOTTSDALE, AZ 85257

SHEET TITLE

SITE ELEVATIONS

SHEET NUMBER

Z-3

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